



5.8.3 Practice: Displaying Comparative Data Name: Isaiah Singh 4/24/2020

ALS Liberal Arts Math 1 Sem 2 *Points Possible: 25*

Answer the following questions using what you've learned from this lesson. Write your responses in the space provided.

Use the Internet to gather data to answer this question: Which state has the largest enrollment of students in private schools?

1. Using Excel or another spreadsheet program, make a table of the data that you've collected. Include the number of students enrolled in public and private schools in each state.

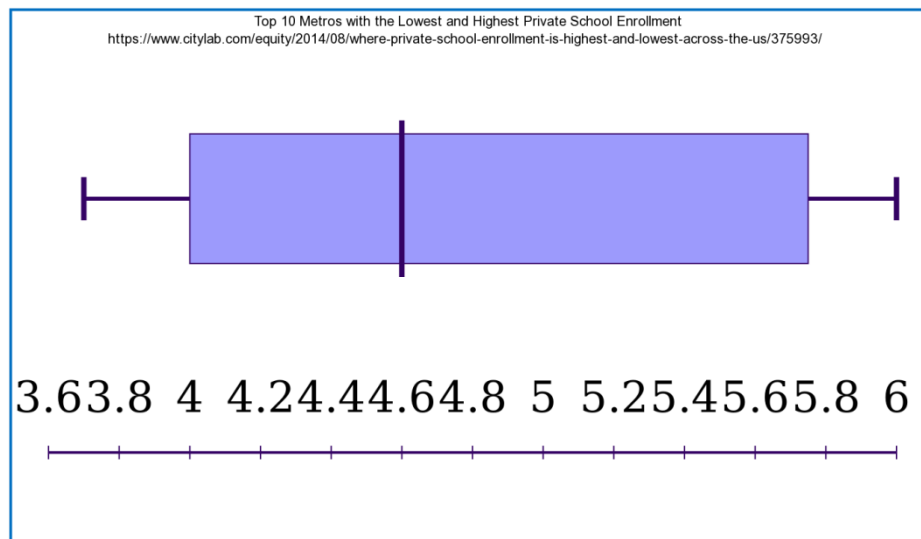
Top 10 Metros with the Highest Private School Enrollment ¹		
#	U.S. Metro	Private school enrollment
1	New Orleans, LA	25.1%
2	Honolulu, HI	20.7%
3	San Francisco, CA	19.9%
4	Baton Rouge, LA	19.1%
5	Philadelphia, PA	18.4%
6	Wilmington, DE -MD-NJ	17.6%
7	Cleveland, OH	17.5%
8	Milwaukee, WI	17.0%
9	Cincinnati, OH -KY-IN	16.9%
10	St. Louis, MO -IL	16.7%
<i>Note: among 100 largest U.S. metros. Grades 1-12 only.</i>		

¹ Where Private School Enrollment Is Highest and Lowest Across the U.S. (2014) Jed Kolko City Lab
<https://www.citylab.com/equity/2014/08/where-private-school-enrollment-is-highest-and-lowest-across-the-us/375993/>

2. Choose a data display that will best show the information you collected comparing the enrollment of students in private schools with the enrollment in public schools in each state. Using Excel or another spreadsheet program, create that display. Which state has the highest enrollment in private schools?

Top 10 Metros with the Lowest Private School Enrollment²		
#	U.S. Metro	Private school enrollment
1	Fresno, CA	3.7%
2	El Paso, TX	4.3%
3	Bakersfield, CA	4.6%
4	Las Vegas, NV	5.5%
5	Riverside-San Bernardino, CA	6.0%
6	Phoenix, AZ	6.2%
7	Houston, TX	6.2%
8	Salt Lake City, UT	6.9%
9	San Antonio, TX	7.2%
10	Austin, TX	7.2%
<i>Note: among 100 largest U.S. metros. Grades 1-12 only.</i>		

3. Create two box-and-whisker plots: one of the private school data and one of the public school data. List two things that you notice about the data based on these displays.



² Ibid

4. Choose one state and find the enrollment in private schools in that state over a period of five years. Create a table with those data.

For the 2020 school year, there are 1,885 top private schools in Texas, serving 315,219 students. ³
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5. What is the best way to display these data? Use Excel or another spreadsheet program to create that display. List two things that you notice about the data once they are in the data display.

Answer: The best way to describe this data is through excel with spread sheet which I don't have.

³ <https://www.privateschoolreview.com/texas>